

Title (en)

MOVABLE CORE-TYPE RECIPROCATING MOTOR AND RECIPROCATING COMPRESSOR HAVING THE SAME

Title (de)

HUBKOLBENMOTOR MIT BEWEGLICHEM KERN UND HUBKOLBENKOMPRESSOR DAMIT

Title (fr)

MOTEUR ALTERNATIF DE TYPE À NOYAU MOBILE ET COMPRESSEUR ALTERNATIF LE COMPRENANT

Publication

EP 3349341 B1 20240110 (EN)

Application

EP 18150930 A 20180110

Priority

KR 20170005414 A 20170112

Abstract (en)

[origin: EP3349341A1] A movable core-type reciprocating motor includes: a stator including an inner stator and an outer stator, wherein one sides of an axial direction of the inner stator and the outer stator are connected to each other and the other sides of the axial direction are spaced from each other to form an air gap; a magnet coil wound between the inner stator and the outer stator; a magnet fixed to at least one of the inner stator and the outer stator so as to be at least partially positioned within a range of the air gap; and a mover including a movable core disposed in the air gap and made of a magnetic material to perform a reciprocation movement with respect to the stator.

IPC 8 full level

H02K 33/16 (2006.01); **F04B 35/04** (2006.01); **F04B 39/02** (2006.01); **F04B 39/12** (2006.01); **H02K 1/14** (2006.01)

CPC (source: EP KR US)

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EP 3349341 A1 20180718; **EP 3349341 B1 20240110**; CN 210297519 U 20200410; KR 101982850 B1 20190529; KR 20180083240 A 20180720; US 10903732 B2 20210126; US 2018198358 A1 20180712; WO 2018131811 A1 20180719

DOCDB simple family (application)

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